if(p!=0) {

else {

p1= getpid();

p2=getpid();

```
Program:
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
void main() {
  int p,p1,p2,p3;
  p=fork();
  if(p==-1) {
    printf("error");
    exit(1);
```

printf("process id of parent is %d\n",p1);

printf("process id of child is %d\n",p2);

```
#include<stdio.h>
#include<unistd.h>
```

CXC

```
void main() {
  int pid;
  pid=fork();
    if(pid==0) {
       printf("exec starts");
      execl("/bin/ls","ls","-l",(char)(0));
      printf("exec didn't work");
    }
   else {
      wait(0);
      printf("parent = Is is completed in child");
```

```
void main() {
     printf("Process ID : %d \n",getpid());
   }
                                genoid.
   Output:
   Process ID: 198
   Program:
   #include<stdio.h>
                                      cxit
  #include<stdlib.h>
  void main() {
   printf("Hello user!! \nLets start!!\n.\n.\n.\n.\nEnd!!\n");
   exit(EXIT_SUCCESS);
 }
Output:
Hello user!!
Lets start!!
```

End!!

#include<stdio.h>

#include<unistd.h>

```
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
void main() {
  pid_t cpid;
   if(fork()==0) {
                               HOW
     exit(0);
   else {
     cpid=wait(NULL);
   }
   printf("Parent PID : %d\n",getpid());
   printf("Child PID : %d\n",cpid);
```

```
Program:
#include<stdio.h>
#include<stdlib.h>
#include<fcntl.h>
int main() {
   int fd1 = open("hi.txt",O_RDONLY);
   if(fd1<0) {
     perror("c1");
     exit(1);
  printf("Opened the fd = %d\n",fd1);
  if(close(fd1)<0) {
    perror("c1");
    exit(1);
  printf("Closed the fd.\n");
}
```

Input:

"testing this file"

```
#include<stdio.h>
#include<sys/stat.h>
```

```
void main() {
    struct stat file;
    stat("stat.c",&file);
    printf("ST_Mode : %o \n",file.st_mode);
}
```

Stot

```
Program:
```

```
#include <stdio.h>
#include <dirent.h>
int main() {
  DIR *folder;
  struct dirent *entry;
  int files = 0;
  folder = opendir(".");
  if(folder == NULL) {
    perror("Unable to Read Directory");
    return(1);
  }
  while((entry=readdir(folder))) {
    files++;
    printf("File %3d: %s\n",files,entry->d_name);
 closedir(folder);
 return(0);
```

open a deaded in

```
Program:
```

```
#include <stdio.h>
#include <unistd.h>
void create() {
  if(fork() == 0) {
     printf("Child Process Created..!\n");
     printf("Process ID : %d \n\n",getpid());
   else {
     printf("Parent Process Created..!\n");
     printf("Process ID : %d \n\n",getpid());
   }
 }
 void main() {
   printf("Processing.....\n\n");
   create();
   printf("Process Completed\n\n");
 }
```